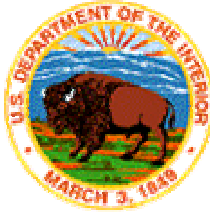


# Bureau of Land Management

Amarillo Field Office

Helium Operations



Statistical Report  
for  
March - 2004



## *Distribution:*

Fluid Minerals Group Manager, Washington Office  
NMSO, New Mexico State Director  
NMSO, Associate State Director  
NMSO, Petroleum Engineer  
Field Manager, Amarillo Field Office  
Assistant Field Managers (3)  
Team Leaders  
-Federal Leased Lands  
-Resources Evaluation & Gas Analysis  
-Natural Gas Engineering

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Amarillo, Texas

Issued: April 23, 2004

**\*Tables include COMPANY PROPRIETARY INFORMATION (shaded) and is for internal use only.  
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Approved for distribution: *Nelson R. Bullard*

Date: *04/23/2004*

Table 1 - Summary of Helium Operations

March - 2004

In Kind Sales		NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges Billed (\$)**		
Total month		19,253	1,743	0	4,675	10,125	15,454	51,250	50,457	\$2,724,845		
Total FYTD		46,859	3,270	0	13,999	14,267	24,553	102,948	101,355	\$5,396,667		
Total CYTD		19,253	1,743	0	4,675	10,125	15,454	51,250	50,457	\$2,724,845		
In Kind Transfers								Month	FYTD	CYTD	Cumulative	
Transferred								0	97,343	50,781	1,257,281	
Volume outstanding								50,574				
Open Market Sales					Award Volume		Outstanding	Sales	Charges Billed (\$)**			
Total month					0		0	0	\$0			
Total FYTD					675,600		337,800	337,800	\$18,241,200			
Total CYTD					0			318,900	\$17,220,600			
Open Market Transfers								Month	FYTD	CYTD	Cumulative	
Transferred								275,000	747,800	337,800	1,977,800	
Volume outstanding								0				
Natural Gas/Liquids Sales			Natural Gas (Mcf)		NGLs (gal)		Decatherms		\$/unit	Charges Billed (\$)**		
Total month			222,348		68,343		318,028		\$4.9990	\$1,578,226		
Total FYTD			1,284,221		252,209		1,455,386		\$4.9044	\$7,095,661		
Total CYTD			790,409		202,999		881,656		\$5.1119	\$4,478,285		
Purchased Helium	Month			Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative		
	Helium Mixture	Helium Percent	Helium	Low Purity Helium		Below 50% Helium		Contained Helium				
			275,000					845,143	388,581	32,176,145		
										5,220,421		
Purchased helium in storage										26,955,724		
Private Plant Activity												
Accepted in storage system			93,616	66.8%	62,511	1,142	8,012	(72)	(1,141)	386,610	188,165	8,190,837
Redelivered from storage system			(221,422)	72.3%	(160,182)	0	0	9	20	(915,674)	(440,898)	(12,528,052)
Total apparent crude produced^			199,566	70.6%	140,863					825,052	411,297	8,002,293
Total apparent crude refined^			(327,850)	72.9%	(238,859)					(1,354,984)	(664,897)	(12,895,339)
Storage Contract Activity	Metered Gas					Transferred Gas		Stored Helium	Charges Billed (\$)**			
	Gross Gas	Helium	Helium			Helium						
	Month		FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD		
Crude Acquired			93,494	62,439	385,469	187,868	25,560,477	311,567	28,361,465			
Crude Disposed			221,336	160,173	915,654	440,883	24,353,412	36,567	25,768,797		\$331,145	Storage Fees
Grade-A Rdlvrd			0	0	0	0	1,478,718	0	0		\$83,121	RMF Fees
Net/Balance			(127,842)	(97,734)	(530,185)	(253,015)	(271,653)	275,000	2,592,668	2,321,015	\$414,266	\$2,099,826
Bush Dome Reservoir Operations				Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery		
Conservation gases from all sources				Gross	Net	Gross	Net	Gross	Net	Gross	Net	
In underground storage, beg. of period				40,835,441	29,424,668	41,328,824	29,775,145	490,620	490,620	0	0	
Net Activity				(111,166)	(78,768)	(604,549)	(429,245)	40,233,655	28,855,280	40,724,275	29,345,900	
Total in underground storage				40,724,275	29,345,900	40,724,275	29,345,900	40,724,275	29,345,900	40,724,275	29,345,900	
Native Gas												
Total in place, beg. of period				204,459,483		206,235,982		265,724,755		318,727,000		
Net Activity				(390,834)		(2,167,333)		(61,656,106)		(114,658,351)		
Total in place, end of month				204,068,649		204,068,649		204,068,649		204,068,649		
Native Gas plus Conservation Gases												
Total gases in place, beg. of period				245,294,924		247,564,806		266,215,375		318,727,000		
Net Activity				(502,000)		(2,771,882)		(21,422,451)		(73,934,076)		
Total gases in place, end of month				244,792,924		244,792,924		244,792,924		244,792,924		
Helium Resources Evaluation						Month		FYTD				
Revenue Collected from Federal Lease Holds						\$656,049		\$4,006,048				
Helium Sample Collection Report for month				Submitted	17	Received	2	Analyzed	93			
Helium Enrichment Unit Operations			Month			FYTD			Cumulative			
			Helium-Gas Mixture	Helium Percent	Helium	Helium-Gas Mixture	Helium Percent	Helium	Helium-Gas Mixture	Helium Percent	Helium	
Gas Processed												
Plant feed			490,348	19.4%	95,258	2,589,477	18.2%	470,406	5,351,190	15.4%	823,270	
Helium product			119,570	77.6%	92,761	588,069	77.2%	453,898	1,014,286	76.5%	776,418	
Residue natural gas			225,912	0.1%	239	1,258,149	0.0%	396	2,787,794	0.0%	407	
Vent, flare & plant losses			147,796	1.5%	2,258	750,760	2.1%	16,112	1,876,507	2.5%	46,445	
Helium recovery efficiency					97.6%			96.6%			94.4%	

\* Volumes in Mcf at 14.7 psia &amp; 70°F; all other volumes in 14.65 psia &amp; 60°F

\*\*Rounded to nearest dollar

^ Other sources of helium are accessed but data are not available

Table 2 - In Kind Helium Sales

March - 2004

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$)**	
In Kind Helium										
Aeriform, Contract no. INC98-0101 (billed quarterly)										
Month										
FYTD										
AGA Gas, Inc., Contract no. INC98-0102										
Month										
FYTD										
AirGas, Inc., Contract no. INC98-0103										
Month										
FYTD										
Air Liquide S.A., Contract no. INC98-0104										
Month										
FYTD										
Air Products, L.P., Contract no. INC98-0105										
Month										
FYTD										
BOC Gases, Contract no. INC98-0106										
Month										
FYTD										
Corp Brothers, Inc., Contract no. INC98-0107										
Month										
FYTD										
FIBA Technologies, Inc., Contract no. INC98-0108										
Month										
FYTD										
General Air Service & Supply Co., Contract no. INC98-0109										
Month										
FYTD										
Jack B. Kelley Co., Contract no. INC98-0110										
Month										
FYTD										
Portland Welding Supply, Contract no. INC98-0111										
Month										
FYTD										
Praxair, Inc., Contract no. INC98-0112										
Month										
FYTD										
United States Welding, Inc., Contract no. INC98-0113										
Month										
FYTD										
Tri-Gas, Inc., Contract no. INC98-0114										
Month										
FYTD										
Messer Griesheim Ind., Contract no. INC00-0115										
Month										
FYTD										
Total month	19,253	1,743	0	4,675	10,125	15,454	51,250	50,457	\$2,724,845	
Total FYTD	46,859	3,270	0	13,999	14,267	24,553	102,948	101,355	\$5,396,667	
Total CYTD	19,253	1,743	0	4,675	10,125	15,454	51,250	50,457	\$2,724,845	
Cumulative	751,840	21,672	58	182,518	195,702	176,629	1,328,421	1,307,780	\$65,632,922	
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred							0	97,343	50,781	1,257,281
Volume outstanding							50,574			

\* Volumes in Mcf at 14.7 psia & 70°F  
+ Volumes in Mcf at 14.65 psia & 60°F

\*\*Rounded to nearest dollar

COMPANY PROPRIETARY INFORMATION

Table 2.1 - Open Market/Reserve Sell-down  
Helium & Natural Gas Sales

March - 2004

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$) **
<b>Conservation Helium</b>				
<b>Air Liquide S.A.</b> (billed quarterly)				
Month	0	0	0	\$0
FYTD	0	0	0	\$0
Cumulative	50,000		50,000	\$2,625,000
<b>Air Products, L.P.</b>				
Month	0	0	0	\$0
FYTD	0	0	0	\$0
Cumulative	680,400		680,400	\$35,721,000
<b>BOC Gases</b>				
Month	0	0	0	\$0
FYTD	550,000	275,000	275,000	\$14,850,000
Cumulative	1,384,000		1,109,000	\$58,635,000
<b>Keyes Helium Co.</b>				
Month	0	0	0	\$0
FYTD	75,600	37,800	37,800	\$2,041,200
Cumulative	151,200		113,400	\$6,010,200
<b>AGA Gas, Inc.</b>				
Month	0	0	0	\$0
FYTD	50,000	25,000	25,000	\$1,350,000
Cumulative	50,000		25,000	\$1,350,000
<b>Total month</b>	0	0	0	\$0
<b>Total FYTD</b>	675,600	337,800	337,800	\$18,241,200
<b>Total CYTD</b>	0		318,900	\$17,220,600
<b>Cumulative</b>	2,315,600		1,977,800	\$104,341,200
<b>Open Market Transfers</b>				
	Month	FYTD	CYTD	Cumulative
Transferred	275,000	747,800	337,800	1,977,800
Volume outstanding	0			

\* Volumes in Mcf at 14.65 psia & 60°F

	Natural Gas (Mcf) ***	NGLs (gal)	Decatherms	\$/unit	Charges Billed (\$) **
<b>Natural Gas/Liquids Sales</b>					
<b>El Paso Natural Gas</b> Provides Firm/Interruptible natural gas transportation services (billed monthly)					
Month	220,845		244,815	(\$0.1122)	(\$27,460)
FYTD	1,241,694		1,372,238	(\$0.1201)	(\$164,761)
Cumulative	2,433,115		2,694,586	(\$0.1223)	(\$329,522)
<b>Minerals Management Service</b> Provides natural gas marketing services under a Cooperative Agreement					
Month				\$0.0000	\$0
FYTD				\$0.0000	\$0
Cumulative				(\$0.0051)	(\$12,448)
<b>Cenergy Marketing</b>					
Month	221,140	0	310,835	\$5.045166	\$1,556,613
FYTD	1,277,246	0	1,428,873	\$4.992591	\$7,091,686
Cumulative	2,513,245	0	2,705,747	\$5.001614	\$13,460,973
<b>Seminole Transportation &amp; Gathering</b>					
Month	0	68,343	7,193	\$6.822423	\$49,074
FYTD	0	252,209	26,513	\$6.364295	\$168,737
Cumulative	0	252,209	26,513	\$6.364295	\$168,737
<b>Total month</b>	221,140	68,343	318,028	\$4.999018	\$1,578,226
<b>Total FYTD</b>	1,277,246	252,209	1,455,386	\$4.904372	\$7,095,661
<b>Total CYTD</b>	786,116	202,999	881,656	\$5.111889	\$4,478,285
<b>Cumulative</b>	2,513,245	252,209	2,732,260	\$4.889677	\$13,287,740

\*\*\* Volumes in Mcf at 14.73 psia & 60°F

\*\*Rounded to nearest dollar

# Table 3 - Helium Resources Evaluation

March - 2004

All Volumes in Mcf at 14.7 psia & 70°F

## Revenue Collected From Federal Leaseholds

	Month*	FYTD*
Fee Sales & Royalties	\$652,379	\$3,982,838
Natural Gas Royalties (1)	\$4,002	\$18,954
Natural Gas Rentals	\$0	\$0
Other	\$4,185	\$26,040
Revenue Collected from Federal Lease Holds	\$656,049	\$4,006,048

\*Totals do not sum

## Helium Analysis and Evaluation

	Month	FYTD
Number of Sample Request Letters Sent	17	31
Number of Samples Received	2	9
Number of Samples Analyzed	3	15
Total Number of Samples Analyzed For Resources Division	3	28
Total Number of Samples Analyzed (2)	93	551

## U. S. Helium Production

*Domestic*

	CY Volumes
1998 Helium Sold	4,029,755
1999 Helium Sold	4,203,019
2000 Helium Sold	4,564,589
2001 Helium Sold	4,756,719
2002 Helium Sold	4,584,904
2003 Helium Sold	Data Not Complete
2004 Helium Sold (projected)	4,700,000
<b>Estimated Helium Resources (as of 01/01/2003)</b>	<b>305,000,000</b>

	FY-2003	CY-2003
<b>U.S. Helium Exports</b> (3)	1,457,623	1,487,258

(1) Includes drip gas sales & other miscellaneous gas sales.

(2) Includes pipeline, field survey, and other requested analyses.

(3) Data from Department of Commerce - Bureau of the Census.

Table 4 - Federal Acquisition &amp; Storage Operations

March - 2004

All Volumes in Mcf at 14.65 psia &amp; 60°F

	Month			Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative
	Helium-Gas Mixture	Helium Percent	Helium	Low Purity Helium		Below 50% Helium		Contained Helium		
<b>Purchased</b>										
Cities Service Helex - Jayhawk		---								6,403,147
National Helium Corp. - Liberal		---								11,561,830
Nothorn Helex Co. - Bushton		---								4,475,921
Phillips Petroleum - Dumas		---								5,111,036
Phillips Petroleum - Sherman		---								4,624,211
<i>Total purchased</i>										32,176,145

Purchased helium produced/transferred	275,000					845,143	388,581	5,220,421
Balance of purchased helium in storage								26,955,724

**Bureau Plants**

Delivery/Handling Credit	0	---	0			0	13,205,259
Withdrawal	0	---	0			0	7,540,255

**Private Plants**

Helium accepted under terminated contracts (pre-FY96)

16,453,073

Helium redelivered under terminated contracts (pre-FY96)

13,007,062

Pioneer - Fain*										
GPM - Dumas*										
Crescendo - Sunray*										
Air Products - Guymon*										
GPM - Sherhan*										
GPM to APG+										
<i>Total GPM - Sherhan</i>										
Keyes Helium - Sturgis* ^										
Keyes Helium - Sturgis* ^										
<i>Total Keyes Helium - Sturgis* ^</i>										
Pioneer - Satanta*										
Williams - Baker*										
National Helium - Liberal*										
National to APL+										
<i>Total National Helium - Liberal</i>										
Air Products - Liberal*										
Praxair - Jayhawk* ^										
Praxair - Jayhawk* ^										
<i>Total Praxair - Jayhawk* ^</i>										
Amoco to Praxair+										
CIG - Lakin*										
BOC Gases - Otis* ^										
KN Processing - Bushton*										
KNP to Praxair+										
<i>Total KN Processing - Bushton</i>										
Praxair - Bushton*										

**Plant Inactive**

Accepted in storage system	93,616	66.8%	62,511	1,142	8,012	(72)	(1,141)	386,610	188,165	8,190,837
Redelivered from storage system	(221,422)	72.3%	(160,182)			9	20	(915,674)	(440,898)	(12,528,052)
Total apparent crude produced^	199,566	70.6%	140,863					825,052	411,297	8,002,293
Total apparent crude refined^	(327,850)	72.9%	(238,859)					(1,354,984)	(664,897)	(12,895,339)

\* Denotes CUSTODY TRANSFER activity in to or out of the crude helium pipeline system

+ Denotes activity between private plants that does not enter the crude helium pipeline system

^ Other sources of helium are accessed by helium refiners, but data are not available to BLM

**Acquisition & Storage Summary - Contained Helium**

	Month	FYTD	Cumulative
Total acquisition	62,511	386,610	70,025,314
Total disposition	160,182	915,674	42,005,441
Total stored in conservation system	(97,671)	(529,064)	28,019,873
Helium in pipeline system plus apparent losses			(1,326,027)
Helium in underground storage			29,345,900

COMPANY PROPRIETARY INFORMATION

Table 4.1 - Helium Storage Contract Activity

March - 2004

All Volumes in Mcf at 14.65 psia &amp; 60°F

	Metered Gas						Transferred Gas		Stored Helium EOM	Charges Billed (\$)**		
	Gross Gas	Helium %	Helium	Helium			Helium			Month	FYTD	
	Month			FYTD	CYTD	Cumulative	Month	Cumulative				
Total All Contracts*												
Crude Acquired	93,494	66.8%	62,439	385,469	187,868	25,560,477	311,567	28,361,465				
Crude Disposed	221,336	72.4%	160,173	915,654	440,883	24,353,412	36,567	25,768,797		\$331,145	Storage Fees	
Grade-A Rdlvrd	0		0	0	0	1,478,718				\$83,121	RMF Fees	
Net/Balance	(127,842)		(97,734)	(530,185)	(253,015)	(271,653)	275,000	2,592,668	2,321,015	\$414,266	\$2,099,826	
Total Prior Contracts (TERMINATED)												
Crude Acquired				0	0	17,406,129	0	18,196,898				
Crude Disposed				0	0	11,830,863	0	19,148,768				
Grade-A Rdlvrd				0	0	1,478,718						
Number of trailers				0	0	9,834			0			
BOC Gases, Contract no. 1995-3249												
Crude Acquired												
Crude Disposed												
Net/Balance												
Praxair, Inc., Contract no. 1995-3251 months - projected depletion												
Crude Acquired												
Crude Disposed												
Net/Balance												
Air Products, L.P., Contract no. 1995-3256												
Crude Acquired												
Crude Disposed												
Net/Balance												
Oneok Field Services, Contract no. 1995-3258												
Crude Acquired												
Crude Disposed												
Net/Balance												
ExxonMobil Gas Marketing Co., Contract no. 1995-3280												
Crude Acquired												
Crude Disposed												
Net/Balance												
Pioneer, Contract no. 1995-3286 months - projected depletion												
Crude Acquired												
Crude Disposed												
Net/Balance												
Keyes Helium Co., Contract no. 1995-3287												
Crude Acquired												
Crude Disposed												
Net/Balance												
Messer Griesheim Ind., Contract no. 1998-3283 months - projected depletion												
Crude Acquired												
Crude Disposed												
Net/Balance												
Linde Gas LLC, Contract no. 2001-3282												
Crude Acquired												
Crude Disposed												
Net/Balance												
Mitsui & Co. (U.S.A.), Inc., Contract no. 2002-3289 months - projected depletion												
Crude Acquired												
Crude Disposed												
Net/Balance												
Air Liquide S.A., Contract no. 2003-3284												
Crude Acquired												
Crude Disposed												
Net/Balance												
Government Helium												
Crude Acquired							0	32,176,145				
Crude Disposed:	In Kind Sales						0					
	Open Market/Reserve Sell down						275,000	5,220,421				
Net/Balance									26,955,724			

\*Includes In Kind and Open Market transfers from Government storage

\*\*Rounded to nearest dollar

COMPANY PROPRIETARY INFORMATION

Table 5 - Pipeline &amp; Cliffside Field Operations

March - 2004

All Volumes in Mcf at 14.65 psia &amp; 60°F

	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
<b>Conservation Pipeline</b>								
Beginning of period inventory (1)	46,576	34,304	46,638	32,039	0	0		
Measured to pipeline (2)	244,412	178,795	1,450,507	1,029,918	112,326,460	80,212,528		
Measured from pipeline (3)	221,422	160,182	1,313,249	915,674	46,518,763	33,110,727		
Measured into Bush Dome (4)	24,368	18,966	130,696	100,940	64,487,703	46,338,476		
Calculated inventory (1+2-3-4)	45,197	33,951	53,200	45,343	1,319,994	763,325		
End of period inventory	42,590	31,099	42,590	31,099	42,590	31,099		
Line gain or (loss)	(2,607)	(2,852)	(10,610)	(14,244)	(1,277,404)	(732,226)		
Percent gain (loss) of total measured	-0.532%	-0.797%	-0.367%	-0.696%	-0.572%	-0.459%		
<b>Bush Dome Reservoir Operations</b>								
<i>Conservation gases from all sources</i>								
In underground storage, beg. of period	40,835,441	29,424,668	41,328,824	29,775,145	490,620	490,620	0	0
Injected during period to date	24,368	18,966	130,696	100,940	64,483,562	46,335,130	65,091,462	46,943,030
Withdrawn during period to date	135,535	97,734	735,245	530,185	24,296,056	17,525,999	24,413,336	17,643,279
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149
Total in underground storage	40,724,275	29,345,900	40,724,275	29,345,900	40,724,275	29,345,900	40,724,275	29,345,900
<i>Native Gas</i>								
Total in place, beg. of period	204,459,483		206,235,982		265,724,755		318,727,000	
Recoverable in place, beg. of period	195,408,483		197,184,982		256,673,755		309,676,000	
Production during period to date	390,834		2,167,333		61,656,106		114,658,351	
Total in place, end of month	204,068,649		204,068,649		204,068,649		204,068,649	
Recoverable in place, end of month	195,017,649		195,017,649		195,017,649		195,017,649	
<i>Native Gas plus Conservation Gases</i>								
Total gases in place, beg. of period	245,294,924		247,564,806		266,215,375		318,727,000	
Total gases in place, end of month	244,792,924		244,792,924		244,792,924		244,792,924	
Change during period	(502,000)		(2,771,882)		(21,422,451)		(73,934,076)	
Ave. reservoir pressure, beg. of period	627.9		636.3		685.0		814.1	
<b>Tuck Trigg Reservoir Operations</b>								
<i>Native Gas</i>								
Total in place, beg. of period	5,198,688		5,198,688				5,890,000	
Recoverable in place, beg. of period	4,528,688		4,528,688				5,220,000	
Production during period to date	0		0				691,312	
Total in place, end of month	5,198,688		5,198,688				5,198,688	
Recoverable in place, end of month	4,528,688		4,528,688				4,528,688	
Ave. reservoir pressure, beg. of period	483.7		483.7				548.0	
<b>Natural Gas Sales - Booster Compressor Operations</b>								
<i>Field/HEU Compressor Operations</i>					Totals		Cumulative	
					Month	FYTD		
Spot gas fuel price				\$ per/MMBTU	\$0.00	\$4.26	\$4.16	
Fuel used				total MMBTU	6,402	39,373	150,205	
Field compressor fuel revenue				\$dollars	\$0	\$33,219	\$387,658	
HEU compressor fuel credit				\$dollars	\$0	\$62,596	\$114,692	
#1 Compressor run time				hours	3	1193	14,679	
#2 Compressor run time				hours	187	1715	7,286	
#3 Compressor run time				hours	548	1285	4,724	
<i>Field Compressor Charges</i>					Charges Billed (\$)*			
BOC Gases, Contract no. 1995-3249								
Praxair, Inc., Contract no. 1995-3251								
Air Products, L.P., Contract no. 1995-3256								
Keyes Helium Co., Contract no. 1995-3287								
SubTotal - Cliffside Refiners, LP (provides booster compression services)					(\$59,024)	(\$375,611)	(\$3,085,230)	
Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.)					\$15,228	\$112,835	\$729,328	
Net Total - Cliffside Refiners, LP					(\$43,796)	(\$262,777)	(\$2,355,902)	

\*Rounded to nearest dollar



Table 6 - Helium Enrichment Unit Operations

March - 2004

All Volumes in Mcf at 14.65 psia &amp; 60°F (\*except where noted)

Gas Processed	Month			FYTD			Cumulative		
	Helium-Gas Mixture	Helium Percent	Helium	Helium-Gas Mixture	Helium Percent	Helium	Helium-Gas Mixture	Helium Percent	Helium
Plant feed	490,348	19.4%	95,258	2,589,477	18.2%	470,406	5,351,190	15.4%	823,270
Helium product	119,570	77.6%	92,761	588,069	77.2%	453,898	1,014,286	76.5%	776,418
Residue natural gas	225,912	0.1%	239	1,258,149	0.0%	396	2,787,794	0.0%	407
Vent, flare & plant losses	147,796	1.5%	2,258	750,760	2.1%	16,112	1,876,507	2.5%	46,445
Helium recovery efficiency			97.6%			96.6%			94.4%

Utility Usage	Month			FYTD			Cumulative		
	Volume*	KWh	Runtime	Volume*	KWh	Runtime	Volume*	KWh	Runtime
Natural gas liquids (*gallons)	62,479			256,019			256,019		
K100 compressor		450,744	620		2,362,353	3,420		7,318,914	7,408
K600 compressor		1,163,262	521		6,759,032	3,054		14,437,511	6,562
K610 compressor			513			2,886			5,822
Dew point control system		25,018	505		116,557	2,415		116,557	2,415
Other electrical usage		207,995	744		1,252,621	4,392		3,548,306	9,232
Fuel gas (*Mcf)	0			16,901			37,608		
Water (*gallons)	4,000			21,741			36,031		

**HEU Runtime & Charges***Enrichment Unit Runtime*

	Month		FYTD		Cumulative	
	Runtime	Percent	Runtime	Percent	Runtime	Percent
Processing feed gas	620	83.3%	3,420	77.9%	7,408	80.2%
Producing natural gas liquids	505	67.8%	2,415	55.0%	2,415	26.2%
Producing helium product	513	69.0%	2,886	65.7%	5,822	63.1%
Producing residue gas	521	70.0%	3,054	69.5%	6,562	71.1%

*Enrichment Unit Charges*

Charges Billed (\$)*			
Reservoir Management Fees (RMF)	\$83,121	\$411,247	\$983,416
Total operating costs	(\$891,744)	(\$5,623,718)	(\$10,615,815)
Labor	\$32,270	\$217,433	\$667,422
Compressor fuel	\$17,673	\$71,640	\$98,229
HEU fuel	\$22,505	\$77,050	\$134,458
Electric power	\$92,533	\$628,841	\$943,522
Flare, vent & plant losses	\$250,386	\$1,770,492	\$3,111,657
Other	\$17,250	\$103,500	\$207,000
<b>Sub Total</b> - Items provided by BLM	<u>\$432,617</u>	<u>\$2,868,956</u>	<u>\$5,162,289</u>
<b>Total</b> - Cliffside Refiners, LP, GDA030001	(\$459,127)	(\$2,754,762)	(\$5,453,526)

\*Rounded to nearest dollar